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**west virginia** department of environmental protection

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Office of Oil and Gas  
601 57th Street SE  
Charleston, WV 25304  
(304) 926-0450  
(304) 926-0452 fax

Earl Ray Tomblin, Governor  
Randy C. Huffman, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

December 04, 2013

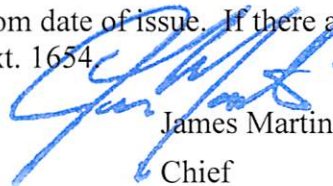
**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-1700638, issued to CHESAPEAKE APPALACHIA, L.L.C., is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalties being imposed upon the operator.

This permit will expire in two (2) years from date of issue. If there are any questions, please free to contact me at (304) 926-0499 ext. 1654.



James Martin  
Chief

Operator's Well No: 910160 (STARKEY,EALY A-160)

Farm Name: POST, MARY K.

**API Well Number: 47-1700638**

**Permit Type: Plugging**

Date Issued: 12/04/2013

**Promoting a healthy environment.**



## PERMIT CONDITIONS

West Virginia Code § 22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

### CONDITIONS

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1. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
2. Well work activities shall not constitute a hazard to the safety of persons.



WW-4B  
Rev. 2/01

1700638P  
1) Date October 17, 20 13  
2) Operator's  
Well No. 910160  
3) API Well No. 47-017 - 00638

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil \_\_\_\_ / Gas X / Liquid injection \_\_\_\_ / Waste disposal \_\_\_\_ /  
(If "Gas, Production \_\_\_\_ or Underground storage \_\_\_\_) Deep \_\_\_\_ / Shallow X

5) Location: Elevation 1165' Watershed Upper Ohio South  
District McClellan 05 County Doddridge 17 Quadrangle Centerpoint 286

6) Well Operator Chesapeake Appalachia, LLC 7) Designated Agent Eric B. Gillespie  
Address P.O. Box 1300 Address P.O. Box 6070  
Jane Lew, WV 26378 Charleston, WV 25301

8) Oil and Gas Inspector to be notified 9) Plugging Contractor  
Name Doug Newlon Name R & J Well Service  
Address 4060 Dutchman Road Address P.O. Box 37  
Macfarlan, WV 26148 Hueysville, KY 41640

10) Work Order: The work order for the manner of plugging this well is as follows:

MIRU construction equipment to BR&L (remove any tanks, separators, well lines, meter runs, exc.) MIRU service rig & needed BOP equipment. NOTE: Blow down well to pit or tank.

RIH w/ sandline and tag PBTD of 2,169'. NOTE: If PBTD is not reached, SD and contact Engineer. TIH strapping 2 3/8" tubing to an estimated TD of 2,169 +/-.

TIH strapping 2 3/8" tubing to an estimated TD of 2,169 +/-.

7. Load hole with 35 bbls of 6% gelled water or break surface with circulation. Pump 8 sks of Class A cement  
150'  
400' cement plug), flush tubing with 8 bbls 6% gelled water. TOOH with 2 3/8" tubing to surface. RU Wireline and Shoot 4 1/2" casing at 1,165' +/-.

Pull and laydown casing

TIH strapping 2 3/8" tubing to an estimated TD of 1,215' +/-.

Pump 55 sks of Class A cement (100' cement plug), flush tubing with 4.3 bbls 6% gelled water. TOOH with 2 3/8" tubing to 619'  
Pump 40 sks of Class A cement (100' cement plug), flush tubing with 2 bbls 6% gelled water. TOOH with 2 3/8" tubing to 100'. Pump 26 sks of Class A cement (100' cement plug).

TOOH w/ tubing. Top off well with required Class A cement as needed. Install a 36 inch casing monument w/ 2" vent. Install a Aluminum plat monument with ALL required.

WV dates and WV API number. RDMO all service equipment providers and reclaim location to WV State requirements.

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector \_\_\_\_\_ Date \_\_\_\_\_



PROCEDURE

1. Contact the WV State Inspector 48 hours prior to operations.
2. **Safety is the highest priority.** Hold wellsite safety meetings prior to each significant operation. Review critical parameters and objectives as well as emergency action plans.
3. MIRU construction equipment to BR&L (remove any tanks, separators, well lines, meter runs, exc.)
4. MIRU service rig & needed BOP equipment. **NOTE: Blow down well to pit or tank.**
5. RIH w/ sandline and tag PBTD of 2,169'. **NOTE: If PBTD is not reached, SD and contact Engineer.**
6. TIH strapping 2 3/8" tubing to an estimated TD of 2,169 +/-.
7. Load hole with 35 bbls of 6% gelled water or break surface with circulation.
- ★ 8. Pump 8 sks of Class A cement (<sup>150'</sup>~~100'~~ cement plug), flush tubing with 8 bbls 6% gelled water
9. TOOH with 2 3/8" tubing to surface.
10. RU Wireline and Shoot 4 1/2" casing at <sup>1215</sup>1,165' +/- Pull and laydown casing.
11. TIH strapping 2 3/8" tubing to an estimated TD of 1,215' +/-.
12. Pump 55 sks of Class A cement (100' cement plug), flush tubing with 4.3 bbls 6% gelled water
13. TOOH with 2 3/8" tubing to 619'
14. Pump 40 sks of Class A cement (100' cement plug), flush tubing with 2 bbls 6% gelled water
15. TOOH with 2 3/8" tubing to 100'
16. Pump 26 sks of Class A cement (100' cement plug). TOOH w/ tubing.
17. Top off well with required Class A cement as needed.
18. Install a 36 inch casing monument w/ 2" vent. Install a Aluminum plat monument with **ALL required WV dates and WV API number.**
19. RDMO all service equipment providers and reclaim location to WV State requirements.

9<sup>th</sup> ★ OIL SHOW @ 2060'-2069'  
 PLUG #1 NEEDS TO BE FROM 2169' - 2019'  
 150'

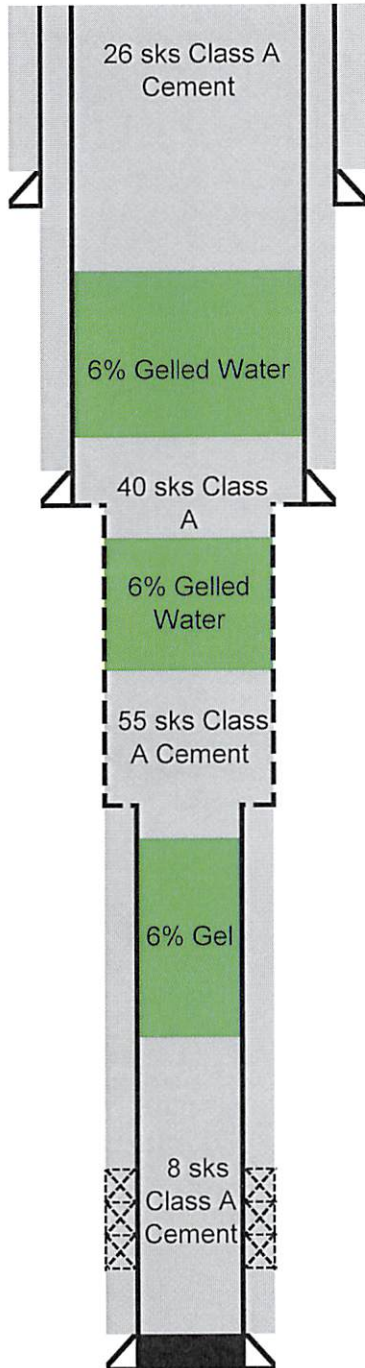
Douglas Newton  
 11-21-2013



1700638P

# Well ID Starkey 1 - 910160

Monday, October 14, 2013



Cement  
Perforated Zone  
6% Gel  
SBP

NOV 14 2013  
**Chesapeake**  
ENERGY



**WELL DATA**

Location (Surface)	Lat. Long.
TD	2,179'
PBTD	2,169'
Marker Joint	NA

**CASING AND TUBULAR DATA**

STRING	SIZE	WEIGHT/GRADE	DEPTH	THREAD	TOC
Surface	8 5/8"	NA	569'	NA	NA
Production	4 1/2"	NA	2,664'	NA	1,575'
Tubing					

**CAPACITIES**

SIZE	WEIGHT	CAPACITY (GAL/FT.)	CAPACITY (BBL/FT.)
8 1/8"	NA #	2.2858	0.0544
4 1/2"	9.5#	0.6825	0.0162
2 3/8"	4.7 #	0.16239	0.00387
6 1/2"	OH	1.7238	0.0410

SIZE	WEIGHT	CAPACITY (CU FT/FT.)	CAPACITY (BBL/FT.)
8 1/8"	NA #	0.3056	0.0544
4 1/2"	9.5#	0.0912	0.0162
2 3/8"	4.7 #	0.02171	0.00387
6 1/2"	OH	0.2304	0.0410

**WELLHEAD EQUIPMENT**

COMPONENT	SIZE & RATING
Manufacturer	Larkin Screw On
Tubing Spool	
Casing Spool	
Bradenhead	

**DRIVING DIRECTIONS**

Interstate 79 to Clarksburg, turn west on Rt 50, go 32 miles to Sunnyside exit, turn left, go 1.8 mile, turn left on Oxford road (21), go 5.8 miles, turn left onto Sugar Run (19) at Oxford post office, go 1.0 mile, turn right onto location road. Well is on top of hill.

**SCOPE OF OPERATION**

1. Safety is the highest priority. Control costs and avoid unnecessary expenditures.
2. TOOH strapping rods and 2 3/8" tubing
3. TIH with 2 3/8" tubing to estimated TD of 2,169'
4. Pump required cement and gel plugs per WV DEP state requirements
5. Plat a well monument with WV State API number





STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION 15

Quadrangle Centerpoint

WELL RECORD

Permit No. Dod-638

Oil or Gas Well Gas  
(KIND)

Company Allegheny Land & Mineral Co.

Address Clarksburg, W.Va.

Farm Starkey Heirs Acres 78 1/2

Location (waters)

Well No. A-160 Elev. 1165

District McClellan County Doddridge

The surface of tract is owned in fee by Starkey Heirs

Address Salem, W.Va. Route 4

Mineral rights are owned by Same

Address

Drilling commenced December 11, 1961

Drilling completed January 7, 1962

Date Shot From To

With

Open Flow /10ths Water in No test Inch

/10ths Merc. in Inch

Volume Show only Cu. Ft.

Rock Pressure 265 lbs. 12 hrs.

Oil bbls., 1st 24 hrs.

WELL ACIDIZED

WELL FRACTURED January 16, 1962 by Dowell- Water, sand, acid

RESULT AFTER TREATMENT 90/10 Merc. 1-3/4" Opening 1,020 M

ROCK PRESSURE AFTER TREATMENT 675# 12 hr.

Fresh Water Feet

Salt Water 5 bailers per hft 1505 to 1533

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16	18'	18'	Kind of Packer
13			
10			Size of
8 1/2"	569'		Depth set
6 3/4"	1170'		
5 3/16"	2179'	2179'	Perf. top <u>2140</u>
3			Perf. bottom <u>2158</u>
2			Perf. top
Liners Used			Perf. bottom

CASING CEMENTED 4 1/2" SIZE 604 No. Ft. 1-7-62 Date

55 Cement 20 Baroid 2 Lime

Dowell Service

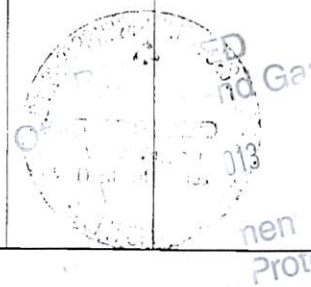
COAL WAS ENCOUNTERED AT FEET INCHES

FEET INCHES FEET INCHES

FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Soil			0	8			
Slate			8	45			Perforations in 4 1/2" casing 2140 to 2158 -- 24 jets
Red Rock			45	60			
Slate & shells			60	90			
Red Rock			90	110			
Slate & shells			110	140			
Red Rock			140	150			
Slate & shells			150	185			
Red Rock			185	195			
Slate & shells			195	310			
Sand			310	340			
Red Rock			340	355			
Slate & shells			355	482			
Lime			482	520			
Slate			520	530			
Lime			530	600			
Slate & shells			600	685	Gas	590	Show
Sand			685	705			
Slate			705	720			
Slate	Black		720	745			
Slate & shells			745	750			
Sand			750	770			
Slate			770	775			
Sand			775	800			
Slate			800	810			
Sand			810	830			
Slate			830	840			
Red Rock			840	855			
Slate & shells			855	940			
Red Rock			940	980			

(over)

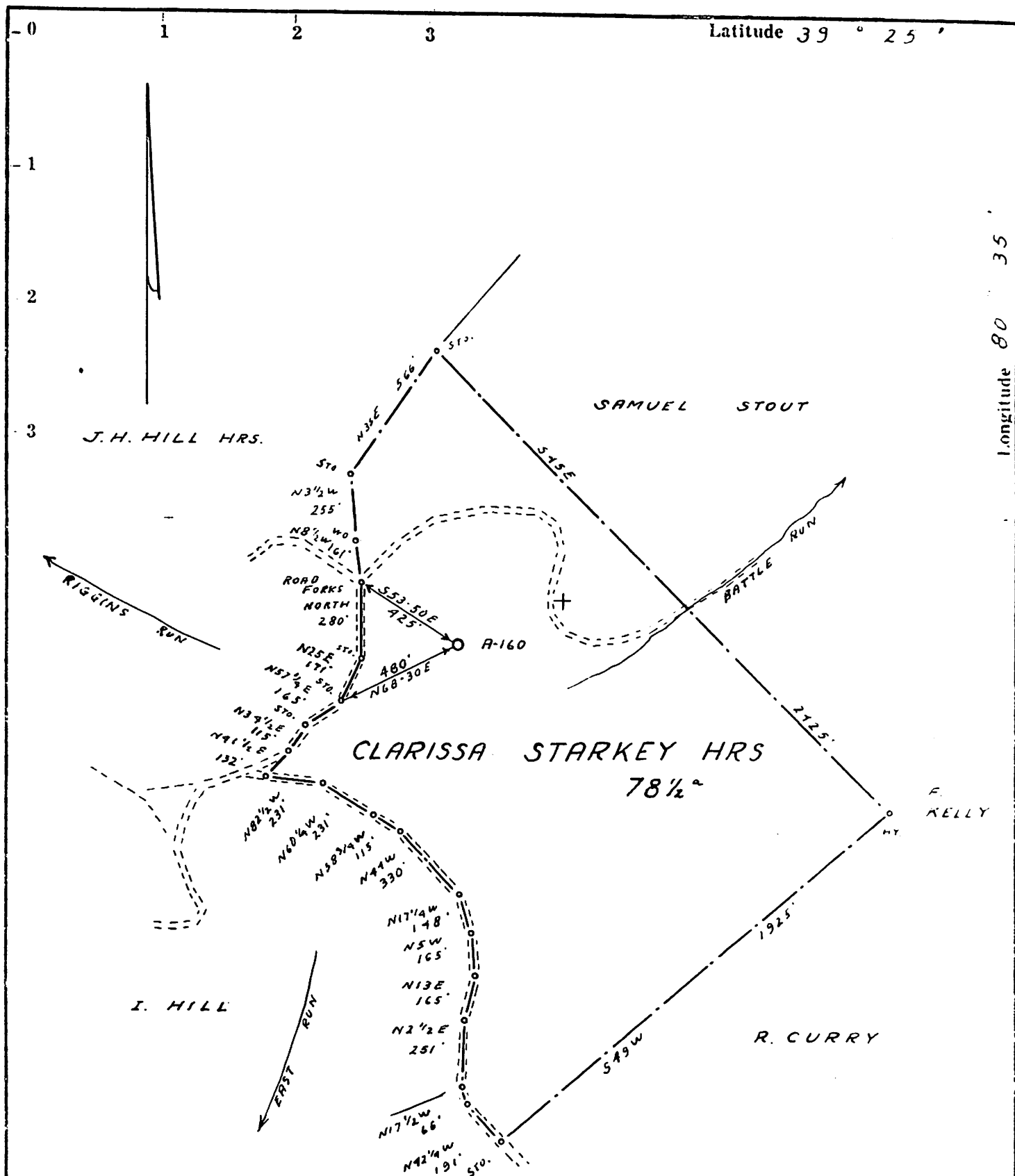




Formation	Color	Hard or Soft	Top / 4"	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate and shells			980	1035			
Red Rock			1035	1075			
Slate & shells			1075	1115			
Pink Rock			1115	1120			
Slate & shells			1120	1130			
Sand			1130	1155			
Slate & shells			1155	1175			
Sand			1175	1205			
Slate & shells			1205	1285			
Sand			1285	1300			
Slate & shells			1300	1380			
Sand			1380	1425			
Slate & shells			1425	1470			
Sand			1470	1537	Water	1505- 1533	5 bailers per hour
Slate & shells			1537	1610	Salty		
Sand			1610	1665			
Slate			1665	1677			
Sand			1677	1725			
Slate			1725	1738			
Sand			1738	1794			
Slate			1794	1800			
Lime			1800	1813			
Slate & shells			1813	1870			
Sand			1870	1905			
Red Rock			1905	1913			
Slate			1913	1923			
Red Rock			1923	1952			
Lime		Hard	1952	1957			
Red Rock			1957	1968			
Slate & lime			1968	2025			
Big Lime			2025	2075	Oil	2060-2066	Show
Sand			2075	2080	Oil	2087-2090	"
Lime			2080	2092			
Sand			2092	2163	Gas	2135-2145	Show
Squaw sand			2163	2179	Gas	2152	"
Total depth				2179			
Total depth	2169	after drilling out cement					

Date January 24, 1962APPROVED Allegheny Land & Mineral Co., OwnerBy Claron Dawson, Mahone, W.Va.  
(Title)





Redrill.....☐  
 New Location.☒  
 Drill Deeper.....☐  
 Abandonment.....☐

Company ALLEGHENY LAND & MIN. CO.  
 Address CLARKSBURG, W.VA.  
 Farm CLARISSA STARKEY HRS.  
 Tract \_\_\_\_\_ Acres 78 1/2 Lease No. \_\_\_\_\_  
 Well (Farm) No. 1 Serial No. A-160  
 Elevation (Spirit Level) 1165' V.A.  
 Quadrangle CENTERPOINT SW 2 1/2  
 County DODDRIDGE District M<sup>C</sup>LELLAN  
 Engineer James D. Jeffries  
 Engineer's Registration No. 1084  
 File No. 202/152 Drawing No. \_\_\_\_\_  
 Date 9-21-61 Scale 1" = 500'

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON

# WELL LOCATION MAP

FILE NO. \_\_\_\_\_

— Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

— Denotes one inch spaces on border line of original tracing.

RDM



1700638P

WW-4A  
Revised 6-07

1) Date: October 17, 2013  
2) Operator's Well Number  
910160  
3) API Well No.: 47 - 017 - 00638

**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS**  
**NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL**

4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Mary K. Post</u>	Name <u></u>
Address <u>PO Box 69</u>	Address <u></u>
<u>Salem, WV 26426</u>	
(b) Name <u></u>	(b) Coal Owner(s) with Declaration <u></u>
Address <u></u>	Name <u>Reserve Coal Company</u>
	Address <u>1000 Consol Energy Drive</u>
	<u>Canonsburg, PA 15317</u>
(c) Name <u></u>	Name <u></u>
Address <u></u>	Address <u></u>
6) Inspector <u>Doug Newlon</u>	(c) Coal Lessee with Declaration
Address <u>4060 Dutchman Road</u>	Name <u></u>
<u>Macfarlan, WV 26148</u>	Address <u></u>
Telephone <u>304-932-8049</u>	

**TO THE PERSONS NAMED ABOVE:** You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.



OFFICIAL SEAL  
Notary Public, State of West Virginia  
**BRITTANY R WOODY**  
3302 Old Elkins Road  
Buckhannon, WV 26201  
My commission expires November 27, 2022

Well Operator Chesapeake Appalachia, LLC  
By: Dee Southall  
Its: Regulatory Analyst  
Address P.O. Box 1300  
Jane Lew, WV 26378  
Telephone 304-517-1416 EXT. 86024

Subscribed and sworn before me this 17th day of November 2013  
Brittany R Woody Notary Public  
My Commission Expires 11/27/2022

**Oil and Gas Privacy Notice**

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at [depprivacyoffier@wv.gov](mailto:depprivacyoffier@wv.gov).



1700638P

CK 5095981  
10000

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS

CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM  
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Name Chesapeake Appalachia, LLC OP Code 494477557

Watershed Upper Ohio South Quadrangle Centerpoint

Elevation 1165' County Doddridge District McClellan

Description of anticipated Pit Waste: Water from plugging process

Will a synthetic liner be used in the pit? yes 20 mil.

DCW  
10-21-2013

Proposed Disposal Method For Treated Pit Wastes:

- ☐ Land Application  
☒ Underground Injection ( UIC Permit Number 2D0072539/2D0413175/2D0610306/2D0610317 )  
☐ Reuse (at API Number at next anticipated well, API# will be included on the WR34/&or permit addendum )  
☒ Off Site Disposal (Supply form WW-9 for disposal location)  
☒ Other (Explain flowback will be put in steel tanks and reused or taken to permitted disposal facility )

Proposed Work For Which Pit Will Be Used:

- ☐ Drilling ☐ Swabbing  
☐ Workover ☒ Plugging  
☐ Other (Explain \_\_\_\_\_)

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature [Signature]

Company Official (Typed Name) Dee Southall

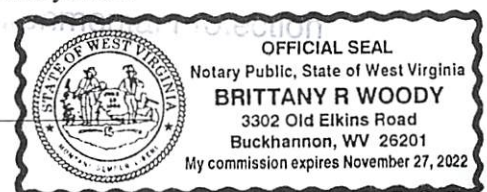
Company Official Title Regulatory Analyst

Subscribed and sworn before me this 1st day of November, 2013

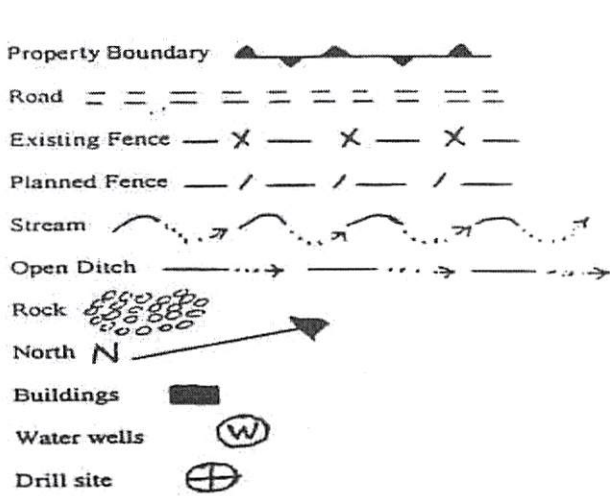
Brittany R Woody

My commission expires 11/27/22

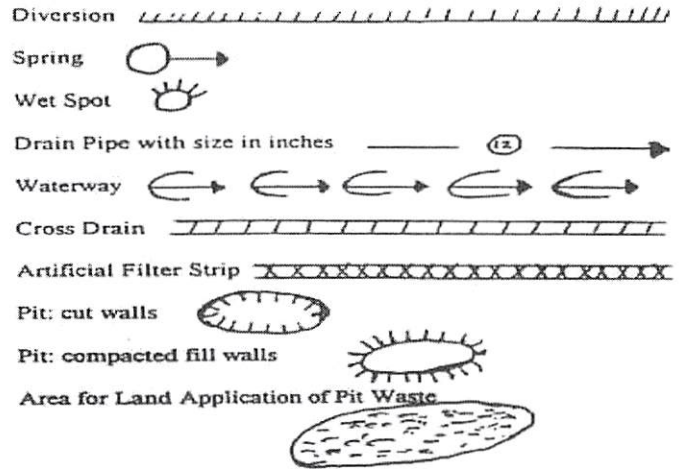
Notary Public







LEGEND



Proposed Revegetation Treatment: Acres Disturbed \_\_\_\_\_ Prevegetation pH \_\_\_\_\_

Lime <sup>as determined by pH test min. 2</sup> \_\_\_\_\_ Tons/acre or to correct to pH 6.5

Fertilizer (10-20-20 or equivalent) <sup>500</sup> \_\_\_\_\_ lbs/acre (500 lbs minimum)

Mulch <sup>Hay/Straw</sup> \_\_\_\_\_ Tons/acre

Seed Mixtures

Area I			Area II		
Seed Type		lbs/acre	Seed Type		lbs/acre
Orchard Grass	20		Orchard Grass	20	
Red Top	15		Red Top	15	
White Clover	15		White Clover	15	

Attach:  
Drawing(s) of road, location, pit and proposed area for land application.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Douglas Newlon

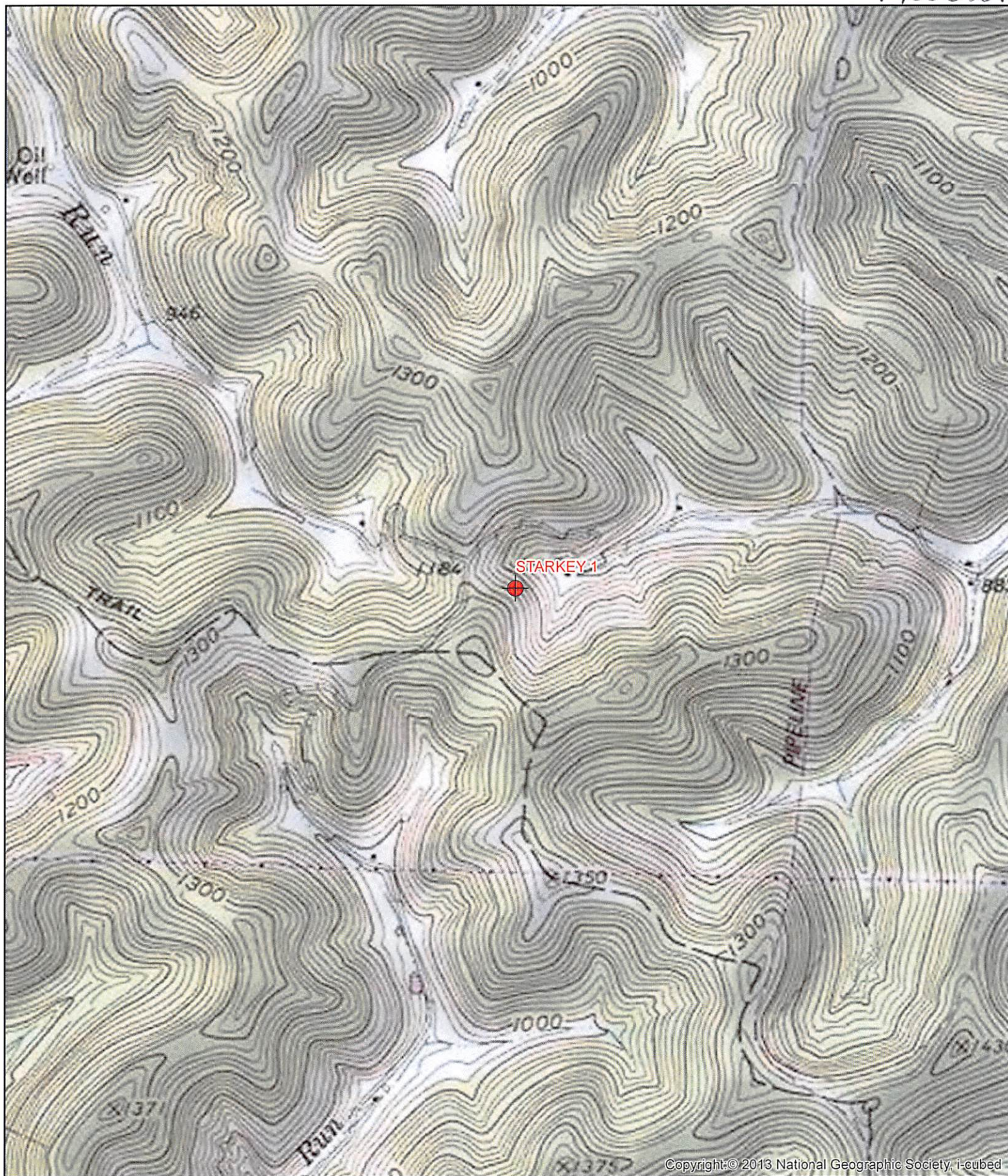
Comments: install ETS to WU Dep regulations

Title: Oil and Gas Inspector

Date: 11-21-2013

Field Reviewed? ( ) Yes ( ☒ ) No





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Well: Starkey 1  
 Permit : 4701700638  
 Quad: Smithburg  
 District: McClellan  
 County: Doddridge  
 State: WV

Geographic NAD83 UTM 17N  
 Latitidue 39.353256  
 Longitude -80.645569  
UTM NAD83 (Meters)  
 530534.49 E  
 4356041.47 N



0 500 1,000 2,000  
 Feet



WW-7

8-30-06



West Virginia Department of Environmental Protection  
Office of Oil and Gas  
**WELL LOCATION FORM: GPS**

API: 47-017-00638WELL NO.: 910160FARM NAME: Clarissa Starkey Hrs.RESPONSIBLE PARTY NAME: Chesapeake Appalachia, LLCCOUNTY: Doddridge DISTRICT: McClellanQUADRANGLE: CenterpointSURFACE OWNER: Mary K. PostROYALTY OWNER: \*\*\*please see attachment #1UTM GPS NORTHING: 4356041.47UTM GPS EASTING: 530534.49GPS ELEVATION: 1165'

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:  
Survey grade GPS \_\_\_\_: Post Processed Differential \_\_\_\_  
Real-Time Differential \_\_\_\_  
Mapping Grade GPS \_\_\_\_: Post Processed Differential \_\_\_\_  
Real-Time Differential \_\_\_\_

4. **Letter size copy of the topography map showing the well location.**

I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

Signature

Date

Title

11/1/13

*Regulatory Analyst*



**PERSONNEL / PHONE LIST****Central District Team**

Production Engineer	Shawn Jackson	Office: (405) 935-6276 Mobile (405) 365-9974
Completion Superintendent	Chad Satterfield	Office: (304) 517-1416 ext 86062 Mobile: (304) 203-8059
Production Superintendent	Manny Johnson	Office: (740) 695-1623 ext 87804 Mobile: (304) 641-0085
Land Man	Randy Orsburn	Office: (304) 517-1416 ext 86020
WV State Inspector	Doug Newlon	Cell: (304) 932-8049

REC'D  
OFFICE  
NOV 1  
Department of  
Natural Resources





Danielle Southall  
Regulatory Analyst II

November 21, 2013

Mr. Jeff McLaughlin  
WV Department of Environmental Protection  
Office of Oil & Gas  
601 57<sup>th</sup> Street  
Charleston, WV 25304

Re: Plugging Permit for well 910160 API #47-017-00638

Dear Jeff:

Enclosed please find a Plugging Permit Application for the above captioned well. This well is situated on in McClellan District, Doddridge County, West Virginia.

If you have any questions or require additional information, please do not hesitate to contact me at (304) 517-1416 ext. 86024.

Sincerely,

Chesapeake Appalachia, LLC

Dee Southall

Enclosures

RECEIVED  
OFFICE OF OIL & GAS  
NOV 23 2013  
WV DEPARTMENT OF  
ENVIRONMENTAL PROTECTION



928  
#910160  
Mineral Owners

KATHERINE ANDRASIK

RUTH BOYCE  
JENNINGS BOYCE  
SHARON H JACKSON  
MARY H WACKERMAN  
JOANN FRIEND WHITE  
RUTH HILL WORSTELL  
ROBERTA YERKEY  
CAROLYN LAVAUGHN HIGGINS  
STEPHEN W BOYCE  
JOSEPH A BOYCE  
JAMES M BOYCE  
WILLIAM E BOYCE  
CLARENCE R STARKEY JR

DONNA R BUZZARD  
CARL JOHNSON  
DELMAN L HELMICK  
MARY LOU LEMASTERS  
JAMES B BILDERBACK  
BETTY L BATES  
WILLIAM L BATES  
LYLE COFFMAN  
BARBARA J STARKEY NICHOLSON  
CLIFF LOSEE  
JOY LOSEE  
ALICE A CRISS  
JIMMY R ASHER  
LINDA A WHYTE  
Total

\*attachement #1